

FY14

# PSAP GRANT PROGRAM APPLICATION





## FY14 PSAP GRANT PROGRAM APPLICATION

### HOW TO APPLY/DEADLINE

The grant application is available and accessible from VITA's Integrated Services Program's website

(<http://www.vita.virginia.gov/isp/default.aspx?id=8578>). Upon completion of the application, it is to be submitted to the PSAP Grant Manager, Lisa Nicholson, at [lisa.nicholson@vita.virginia.gov](mailto:lisa.nicholson@vita.virginia.gov). Any supporting documentation must also be submitted along with the application, including mandatory budgets for projects (if applicable).

After submission, the PSAP Grant Manager will assign a Grant ID and send an e-mail notification to the project contact e-mail address listed on the application received.

All funding requests must be submitted using the grant application. Technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The FY14 PSAP Grant Application Cycle starts July 1, 2012 and concludes on October 31, 2012 at 5:00 pm.

**ALL APPLICABLE SECTIONS MUST BE COMPLETED IN ITS ENTIRETY OR THE APPLICATION WILL BE CONSIDERED INCOMPLETE AND NOT ACCEPTED FOR CONSIDERATION.**



# FY14 PSAP GRANT APPLICATION

## PROJECT TITLE

CPE Upgrade - Sentinel CTI Next Generation Migration

## GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: **Halifax County E-911**

CONTACT TITLE: **E-911 Director**

CONTACT FIRST NAME: **Wendy**

CONTACT LAST NAME: **Jones**

ADDRESS 1: **1040 Mary Bethune Street**

ADDRESS 2: **P.O. Box 699**

CITY: **Halifax**

ZIP CODE: **24558**

CONTACT EMAIL: **hce911@co.halifax.va.us**

CONTACT PHONE NUMBER: **(434) 476-1784**

CONTACT MOBILE NUMBER: **(434) 446-2061**

CONTACT FAX NUMBER: **(434) 476-3384**

REGIONAL COORDINATOR: **Stefanie McGuffin**

## HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

_____	_____
_____	_____
_____	_____
_____	_____

## GRANT TYPE

Individual PSAP

Consolidation

Regional Initiative

Secondary Consolidation



### GRANT PROGRAM TYPE

- Continuity and Consolidation
- Enhancement

### TIER

- Out of Service
- Technically Outdated\*
- Not Applicable
- Non-Vendor Supported\*
- Strengthen

**If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.**

VERSION: Sentinel RescueStar Version 5.0  
 # YEARS of HARDWARE/SOFTWARE: 2003(hardware)/ 2009(software)

---

### PROJECT FOCUS NEXT GENERATION

**If "Other" selected, please specify:** [Click here to enter text](#)

### FINANCIAL DATA

Amount Requested: \$ 150,000  
 Total Project Cost: \$ 224,324.34

### STATEMENT OF NEED



This statement should reference the relationship to the current funding priorities established by the Grant Committee and include evidence of any financial need, along with additional information on the impact on operational services; consequences of not receiving funding; inclusion of project in a long-term or a strategic plan; and local sustainability:

The Halifax County E-911 Communications Center has a current investment in the Sentinel CTI platform that has for many years utilized the RescueStar successfully in mission critical applications. Both the RescueStar and Operating Systems on Workstations and Servers are Technically Outdated. On July 30, 2010 Cassidian Communications (formerly PlantCML) provided a Product Discontinuation Notice that outlined End of Sale/Support Plan. Spare parts were available until May 27, 2011 or based on availability. The last day to buy one year incremental support is January 25, 2015. However, based on not having the ability to expand or add on to the existing system, supportability has become increasingly critical. Existing Windows XP Operating system will no longer be supported by Microsoft after 2014.

Cassidian Communications has a Sentinel product roadmap that allows Halifax County E-911 to continue to leverage existing software platform and migrate to a non-proprietary IP Software switch design. This design utilizes Commercial Off The Shelf hardware that will no longer limit support and upgrade capabilities.

Additionally this design has an extensive roadmap that includes future releases (included with software support) with support for i3, ESInet, and other Next-Generation technologies. By migrating to the new platform Halifax County E-911 will be able to potentially deploy Network Geo-Diversity for additional system redundancy or regionalization with minor system changes.

Migrating to the new Sentinel platform continues to allow Halifax County E-911 to leverage existing investment and knowledge of platform while fitting into the long term Next Generation strategic plan already in place.

The acquisition of this Grant Funding will allow the agency to move forward with the system upgrade and be positioned to provide the best service to the citizens we serve.



Describe how the grant will be maintained and supported in the future, if applicable.

The new Sentinel system would be implemented and supported by the existing Cassidian Communications provider in place today. Additionally, Cassidian Communications can provide Monitoring and Response with optional Ant-Virus and OS Patch Management Services.

## **COMPREHENSIVE PROJECT DESCRIPTION**



Provide a thorough, concise, and complete description of the project, including an outline of the goals and objectives, implementation strategy, and a work plan.

The goal of the project is to update the existing Sentinel CTI platform currently utilizing the End of Life RescueStar to a non-proprietary IP Soft Switch environment. The RescueStar, XP Workstations, and Servers would be replaced with the latest HP Servers/W7 Workstations available at time of project start. The objective is move to a Sentinel platform that allows for more frequent updates that will include functionality necessary for i3 or Next Generation technology. Additionally Halifax County E-911 is replacing the outdated STATS MIS application with a more robust browser based AURORA MIS. The updated MIS will allow for additional reporting capabilities and such features as Scheduled Reports which will reduce overall man hours.

Implementation will occur over a period of approximately 3-4 months and will include full Project management and Field Engineering services. The system will come pre-staged and already in racks (or cabinets) for ease of installation. System Training for Sentinel will be specifically designed for refresher training as there will be slight changes to the Sentinel GUI. New training will take place for the Aurora MIS as well as additional Web Based Training for new employees.

**FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:**

PROJECT TIMELINE – Select each applicable phase of the project and indicate the estimated completion date. Sample activities for each phase can be found in the PSAP Grant Program Guidelines as well as on the addendum to this form.

PROJECT PHASE	ESTIMATED COMPLETION DATE
<input type="checkbox"/> <b>INITIATION</b> (Project approved by appropriate stakeholders)	05 / 31 / 13
<input type="checkbox"/> <b>DESIGN/PLANNING</b> (Project, system, or solution requirements are developed)	7 / 15 / 13



<input type="checkbox"/> <b>ACQUISITION</b> (Selected system or solution is procured)	<b>08 / 15 / 13</b>
<input type="checkbox"/> <b>IMPLEMENTATION</b> (Selected system or solution is configured and installed)	<b>10 / 15 / 13</b>
<input type="checkbox"/> <b>TESTING/COMPLETION</b> (Selected system or solution is tested and put in production)	<b>11 / 30 / 13</b>

Identify the longevity or sustainability of the project.

The current project continues to leverage the existing investment in Sentinel CTI which provides additional longevity to the Sentinel system implemented in the past. This project would continue to extend the use of new PC equipment for an additional (5) Five years until such time a PC refresh would again need to occur. Additionally the inclusion of Next Generation feature functionality into the Sentinel system will further strengthen the sustainability of the project moving forward.

Describe how this project supports the Virginia Statewide Comprehensive 9-1-1 Plan.

The project follows guidelines for Next Generation i3 technologies and system designs that welcome the opportunity for regionalization. The use of Commercial Off The Shelf hardware allows for greater flexibility in comparison to restrictive requirements of proprietary equipment.

**REGIONAL INITIATIVE (if applicable)**



The relationship of the initiative to the participating PSAPs:  
The initiative is necessary as the Sentinel CTI is the primary mission critical call handling system in place today at the PSAP. The new project will allow for possible regionalization at such a time in the future the opportunity would arise with interested PSAP's.

**Intended collaborative efforts:**

Click here to enter text

**Resource sharing:**

Click here to enter text



How does the initiative impacts the operational or strategic plans of the participating agencies:

[Click here to enter text](#)

**CONSOLIDATION (Primary or Secondary) - (if applicable)**

How would a consolidation take place and provide improved service:

[Click here to enter text](#)

How should it be organized and staffed:

[Click here to enter text](#)



What services should it perform:

[Click here to enter text](#)

How should policies be made and changed:

[Click here to enter text](#)

How should it be funded:

[Click here to enter text](#)

What communication changes or improvements should be made in order to better support operations:

[Click here to enter text](#)



## BUDGET AND BUDGET NARRATIVE

List the planned expenditures to be made with grant funds. (NOTE: In lieu of a line item breakdown, an itemized cost schedule or detailed vendor prepared quote may be submitted as an attachment.) Briefly explain the reason for each requested budget item and provide the basis for its cost:

Please see attached Vendor Prepared Quote for detailed parts list.

Items are necessary to replace aging Workstations and Servers and the End of Sale RescueStar.

## EVALUATION

How will the project be evaluated and measured for achievement and success:

The project will be evaluated and measured by assessing downtime and the availability of parts. Success will be determined by increased compliance with NG plans, lack of downtime, and the availability of support/upgrade ability for future years.



## FINANCIAL AND PROGRAMMATIC REPORT

### PROJECT PHASES

### SAMPLE ACTIVITIES

PHASE	SAMPLE ACTIVITIES
<b>INITIATION</b> (Project approved by appropriate stakeholders)	<ul style="list-style-type: none"> <li>• Project concept is documented</li> <li>• Local Board or governing authority approval or endorsement is received</li> <li>• PSAP grant application is filed</li> <li>• Local budgets are obtained</li> <li>• Appropriated grant funds are approved</li> <li>• Budgetary estimates are obtained</li> </ul>
<b>DESIGN/PLANNING</b> (Project, system, or solution requirements are developed)	<ul style="list-style-type: none"> <li>• Requirements are documented</li> <li>• Components to be purchased are identified</li> <li>• General design is documented</li> </ul>
<b>ACQUISITION</b> (Selected system or solution is procured)	<ul style="list-style-type: none"> <li>• RFP (or other bid related processes) are drafted</li> <li>• Proposals are evaluated</li> <li>• Contract is signed</li> <li>• Purchase orders are issued</li> <li>• Quotes are obtained/grant funds draw down</li> </ul>
<b>IMPLEMENTATION</b> (Selected system or solution is configured and installed)	<ul style="list-style-type: none"> <li>• Purchased components are delivered and installed</li> <li>• Training is performed</li> </ul>
<b>TESTING/COMPLETION</b> (Selected system or solution is tested and put in production)	<ul style="list-style-type: none"> <li>• Performance of system/solution is validated</li> <li>• System/solution goes "live"</li> </ul>



Customer Legal Name:	E911 Halifax County
Customer Billing Name:	E911 Halifax County
Site Address 1:	1040 MARY BETHUNE ST
Site Address 2:	
City:	HALIFAX
State:	VA
Zip:	24558-3213
Contact Name:	Wendy Jones
Phone Number:	-
E-Mail:	
Account Manager:	Kelly Curd
Sales Engineer Name:	Tommy Thompson
Sales Engineer E-Mail:	tommy.h.thompson@centurylink.com
Quote Number:	12-024876



JCW Pricing Tool 5.16

Quote Number# 12-024876

Account Manager: Kelly Curd

CenturyLink Maintenance

Coverage: Extended

Contract Term: 48

Customer Legal Name: E911 Halifax County  
 Customer Billing Name: E911 Halifax County  
 Customer Address: 1040 MARY BETHUNE ST , HALIFAX, VA 24558-3213  
 Date Prepared: September 13, 2012  
 Quote Expires: November 12, 2012  
 Quote Number: 12-024876

QTY	Item	Total Non-Recurring Price	Annual Price - Year 1	Annual Price - Year 2+	Total Annual Price - Y1	Total Annual Price - Y2+	Total Term Price
	CPM - (includes Shipping and Misc costs)	\$ 161,335.34			\$ 13,578.86	\$ 40,736.57	\$ 54,315.42
	Labor	\$ 32,204.00					
	On-Site Tech						
	Vendor Support	\$ 30,785.00					
<b>Total Prices</b>		<b>\$ 224,324.34</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 13,578.86</b>	<b>\$ 40,736.57</b>	<b>\$ 54,315.42</b>

Prices shown on this page represent recurring and nonrecurring charges for items as described. These prices do not include recurring or nonrecurring charges for taxes, duties, tariffs, or telecommunication services.







**CENTURYLINK**  
CenturyLink Centurion Maintenance

Valid Until November 12, 2012  
 Contract Term: 48 Months  
 All Services listed on this Quote are governed by the Standard Terms and Conditions for Communications Services and the CenturyLink™ Centurion Maintenance Service Annex, both posted to [http://about.centurylink.com/legal/rales\\_conditions.html](http://about.centurylink.com/legal/rales_conditions.html)

Customer Legal Name: E911 Halifax County  
 Customer Billing Name: E911 Halifax County  
1040 MARY BETHUNE ST  
HALIFAX  
VA , 24558-3213  
 Quote Number: 12-024876

See Vendor Support Tab for additional Support Costs

**Engineer Selected**

Part Number	Description	Quantity	Annual Standard Rate		Annual Extended Rate	
			Unit	Total	Unit	Total
873099-00103.2	PAT 3.2 L/D/M	2	\$ 5,363.24	\$ 10,738.48	\$ 6,443.09	\$ 12,886.17
873099-03001U	PAT/CM CAD INTEFC LIC UPGD	2				
04000-01584	BLK BX TL 158A-R4 DATA CAST	1				
62000-J204801	SVR TOWER ML330/G6	4				
04000-30182	USB TO SERIAL HUB KIT	2				
65000-00221	RISER CARD PCI-X KIT	1				
63002-172805	MNTR. 17IN W/SPKRS NEC.					
873099-01201	SENT PAT. 3.X IMIG UPGD LIC	5				
61000-409602W7	WXST HP Z210 WIN7	5				
63002-192808	MNTR. 19IN W/SPKRS BLK NEC	5				
64007-50016	KEYPAD 24KEY W/12FT. CBL	5				
853004-00401	SAW EXT SPRK KIT	5				
853030-00301	PAT 3.X SAW SENT HDWR KIT					
873099-00501	PAT/CM IRR LIC/DOC/MED	5				
04000-29616	SWITCH 24-PORT 2960 + CBL	2				
04000-31500	PAT/CM ALARM PANEL	1				
863014-00102	PAT PERIPHERALS	1				
850830-03011	MODEM PKG 56K EXT	2				
2213937-1-SR1	FXO GATEWAY 8-PORT	2				
2213939-1-SR1	FXS GATEWAY 8-PORT	1				
04000-11040	FIREWALL 51104 APPL					
04000-004B4	KVM 4-PORT SWITCH	1				
873399-00102.0	AURORA 2.0 DOC/MEDIA	1				





# Price Sheet Vendor Support

Customer: E911 Halifax County  
 1040 MARY BETHUNE ST  
 HALIFAX  
 VA  
 24558-3213  
 Quote # 12-0Z4876

November 12, 2012

Pricing is Valid Until:

Description of Work to be Performed:

Equipment pricing shown is based upon direct sale accompanied by new Centurion Maintenance contract on same.

Part Number	Description	Quantity	Type	Term Years	(Only if MRR)	MRR	Unit Price	Extended Price
809800-35005	PAT 3-X SW SPT 5YR	5	NRR	-		\$	4,125.00	20,625.00
809800-35020	PAT/CM IRR SW SPT 5YR	5	NRR	-		\$	746.25	3,731.25
04000-29611	SPT 24P 2960 NBD 1YR	2	NRR	-		\$	132.50	265.00
04000-11045	WARR FIREWALL S1104 5YR	1	NRR	-		\$	3,031.25	3,031.25
809800-03305	AURORA STD SPT 5YR	5	NRR	-		\$	600.00	3,000.00
04000-29611	SPT 24P 2960 NBD 1YR	1	NRR	-		\$	132.50	132.50
-	-	-	NRR	-		\$	-	-
-	-	-	NRR	-		\$	-	-
-	-	-	NRR	-		\$	-	-
-	-	-	NRR	-		\$	-	-
-	-	-	NRR	-		\$	-	-
-	-	-	NRR	-		\$	-	-
TOTAL Annual MRR						\$	-	
TOTAL PRICE NRR						\$	-	30,785.00

All Services listed on this Quote are governed by the Standard Terms and Conditions for Communications Services and the EMBARQ® Centurion Maintenance Service Annex, both posted to [http://about.centurylink.com/legal/rates\\_conditions.html](http://about.centurylink.com/legal/rates_conditions.html).